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CENTRAL FAX CENTER****OCT 17 2007****IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1           1.       (original) A gateway for mobile access, comprising:  
2           a foreign agent that receives user profile data and session state data from a home  
3 authentication, authorization and accounting (AAA) system of a mobile node;  
4           at least one dynamic packet filter that performs multi-layer filtering based on the  
5 user profile data;  
6           wherein the foreign agent transfers a session from a first network to a second  
7 network without session interruption, using the session state data, when the mobile node  
8 moves from the first network to the second network, and  
9           the foreign agent uses the dynamic packet filter to permit Internet access by the  
10 mobile node without passing Internet data requested by the mobile node through a  
11 network in which the home AAA system is located.

1           2.       (original) The gateway of claim 1, further comprising a MAC-address-  
2 based filter which blocks packets except for authentication packets that are used to  
3 authenticate mobile nodes.

1           3.       (original) The gateway of claim 1, wherein the dynamic packet filter  
2 performs network layer filtering and one of the group consisting of transport layer  
3 filtering and application layer filtering.

1           4.       (original) The gateway of claim 1, further comprising a non-volatile  
2 storage device in which the user profile data are stored.

1           5.       (original) The gateway of claim 1, wherein the non-volatile storage device  
2 has a database that stores state information for each active user session.

1           6.       (original) The gateway of claim 1, wherein the gateway is coupled to at  
2 least one access point, and the gateway transmits from a AAA server in the gateway to  
3 the access point an identification of whether a mobile node in communication with the  
4 access point is successfully authenticated by the AAA server.

1           7.       (original) The gateway of claim 1, wherein the gateway exchanges AAA  
2 data with the home AAA system of the mobile node by way of the Internet, and the  
3 gateway provides Internet access to the mobile node without passing Internet data  
4 requested by the mobile node through the network of the home AAA system.

1           8.       (original) The gateway of claim 7, wherein the gateway relays remote  
2 authentication dial-in user service packets to the home AAA server.

1           9.       (original) The gateway of claim 1, wherein the gateway has a foreign  
2 agent that communicates with the home AAA system of the mobile node, and the foreign  
3 agent is capable of operating in a relay mode, in which the foreign agent forwards packets  
4 to the home AAA of the mobile IP node for authentication, or in a standalone mode, in  
5 which authentication computations for the simple IP mobile node are performed in the  
6 gateway.

1           10.      (original) The gateway of claim 1, the user profile data include per-user  
2 policies dynamically obtained from the home AAA server of the mobile node and the  
3 gateway further the dynamic packet filter is included in a firewall that uses packet  
4 filtering rules that depend on the per-user policies.

1           11.      (original) The gateway of claim 10, wherein the firewall includes rules  
2 that check a media access control address associated with each received packet.

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1           12.   (original) The gateway of claim 1, further comprising an 802.11 access  
2 point contained within or attached to a housing of the gateway.

1           13.   (original) The gateway of claim 1, further comprising a wireless modem  
2 contained within or attached to a housing of the gateway.

1           14.   (original) The gateway of claim 1, further comprising:  
2 an 802.11 access point contained within or attached to a housing of the gateway;  
3 and  
4 a wireless modem contained within or attached to a housing of the gateway.

1           15.   (original) A gateway for mobile access, comprising:  
2 a foreign agent that receives user profile data from a home authentication,  
3 authorization and accounting (AAA) system of a client, when the client establishes a  
4 session with the gateway;  
5 a dynamic packet filter that performs multi-layer filtering based on the user  
6 profile data;  
7 an access point contained within or attached to a housing of the gateway, for  
8 communication between the gateway and the client; and  
9 a wireless modem contained within or attached to a housing of the gateway,  
10 wherein the gateway is mobile, and the modem permits wireless communication between  
11 the gateway and a wireless network.

1           16   (original). The gateway of claim 15, wherein the gateway provides  
2 Internet access to the client without passing Internet data requested by the client through  
3 a network containing the home AAA system of the client.

1           17.   (currently amended) The gateway of claim 15, wherein the foreign agent is  
2 capable of obtaining a new ~~IP address~~ IP address when the gateway moves from a first  
3 network to a second network.

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1           18.   (original) The gateway of claim 16, wherein, the foreign agent is capable  
2 of advertising the new IP address to the client.

1           19.   (original) The gateway of claim 15, wherein the dynamic packet filter  
2 performs network layer filtering and one of the group consisting of transport layer  
3 filtering and application layer filtering.

1           20.   (original) The gateway of claim 15, further comprising a non-volatile  
2 storage device that stores the session state data, and means for transmitting the stored  
3 session state data to the client if the client loses a connection with the gateway and  
4 resumes the connection with the gateway.

1           21.   (withdrawn) A gateway for mobile communications, comprising:  
2           a router connectable to a network;  
3           means for interrogating a authentication, authorization and accounting (AAA)  
4 server with which a mobile node is associated, to determine to which network resources  
5 the gateway permits the mobile node access, and to determine a set of one or more user-  
6 specific firewall policies associated with the mobile node;  
7           a firewall capable of implementing the set of user-specific firewall policies  
8 associated with the mobile node.

1           22.   (withdrawn) The gateway of claim 21, wherein:  
2           the interrogating means obtains AAA data associated with the mobile node from  
3 the home AAA server each time the mobile node begins operating in the proximity of the  
4 gateway, and  
5           the firewall dynamically updates the user-specific firewall policies each time the  
6 AAA data for the mobile node are obtained.

1           23.   (withdrawn) The gateway of claim 21, wherein the home AAA server of  
2 the mobile node is a 3G AAA server.

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1        24.    (withdrawn) The gateway of claim 21, wherein the gateway has a port for  
2 directly or indirectly connecting an 802.11 access point.

1        25.    (withdrawn) A method for controlling mobile access, comprising the steps  
2 of:  
3        obtaining user profile data of a mobile IP node from a home authentication,  
4 authorization and accounting (AAA) server of the mobile IP node, to determine whether  
5 the mobile IP node is registered to access a network by way of a gateway;  
6        performing multi-layer filtering based on the user profile data;  
7        transferring a session from a first network to a second network in which the  
8 mobile IP node is located without session interruption, when the mobile node moves to  
9 the second network; and  
10       providing Internet access to the mobile IP node without passing Internet data  
11 requested by the mobile IP node through the a network in which the home AAA server is  
12 located.

1        26.    (withdrawn) The method of claim 25, further comprising using packet  
2 filtering rules that depend on per-user policies dynamically obtained from the home AAA  
3 server of the mobile node.

1        27.    (withdrawn) The method of claim 25, further comprising connecting the  
2 gateway to the Internet by a path other than by way of a third generation core network.

1        28.    (withdrawn) A method for mobile communications, comprising the steps  
2 of:  
3        interrogating a authentication, authorization and accounting (AAA) server of a  
4 mobile node, to determine to which network resources the gateway permits the mobile  
5 node access, and to determine a set of one or more user-specific firewall policies  
6 associated with the mobile node, the interrogating being performed each time the mobile  
7 node begins operating in the proximity of a gateway;

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8 implementing the set of user-specific firewall policies associated with the mobile  
9 node in the gateway; and  
10 dynamically updating the user-specific firewall policies each time the AAA server  
11 for the mobile node is interrogated.

1 29. (original) A computer readable medium encoded with computer program  
2 code, wherein, when the code is executed by a processor, the processor performs a  
3 method for controlling mobile access, comprising the steps of:  
4 filtering incoming packets based on a media access control address of each packet;  
5 obtaining user profile data of a mobile IP node from a home authentication,  
6 authorization and accounting (AAA) server of a mobile IP node, to determine whether the  
7 mobile IP node is registered to access a network by way of a gateway;  
8 performing multi-layer filtering based on the user profile data;  
9 transferring a session from a first network to a second network in which the  
10 mobile IP node is located without session interruption when the mobile node moves to  
11 the second network; and  
12 providing Internet access to the mobile IP node without passing Internet data  
13 requested by the mobile IP node through a network in which the home AAA server is  
14 located.

1 30. (withdrawn) A computer readable medium encoded with computer  
2 program code, wherein, when the code is executed by a processor, the processor performs  
3 a method for mobile communications, comprising the steps of:  
4 interrogating a home authentication, authorization and accounting (AAA) server  
5 of a mobile node, to determine to which network resources the gateway permits the  
6 mobile node access, and to determine a set of one or more user-specific firewall policies  
7 associated with the mobile node, the interrogating being performed each time the mobile  
8 node begins operating in the proximity of a gateway;  
9 ¶implementing the set of user-specific firewall policies associated with the mobile  
10 node in the gateway; and

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- 11 dynamically updating the user-specific firewall policies each time the AAA server
- 12 for the mobile node is interrogated.